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SOURCE Documentary as indicated. (Information specifically requested.)

RECENTLY PUBLISHED RESEARCH OF THE
MINSK MEDICAL INSTITUTE, USSR

"Diketopiperazine Groups Do Not Exist in the Protein Molecule," A. N. Parshin, E. I. Nikolayeva, Med Inst, Minsk

"Biokhimiya" Vol 12, 1947, pp 179-95

When the diketopiperazine form of *L*-histidine anhydride (I) is hydrolyzed by acids or alkalis, a *DL*-dipeptide is obtained, whereas protein acid hydrolysis yields optically active amino acids of the *L*-series. Formation of small amounts of *DL*-amino acids on protein hydrolysis is, as is known, due to the artificial formation and hydrolysis of diketopiperazines forms. Addition of pepsin does not increase the hydrolysis rate of I by HCl. Following anhydrides were recovered unchanged when fed to rabbits and rats, or when given subcutaneously: glycine, *L*-alanine, *L*-proline, *L*-tyroxine, and *DL*-leucylglycine.

"Fate of Carcinogenic Substances in the Body: IV. Elimination of Hydrocarbons by the Liver Under Normal and Pathological Conditions," A. S. Fridman, State Med Inst, Minsk

"Byull Eksp Biol i Med" Vol 22, No 9, 1946, pp 9-11

In experimental hepatitis in the dog, the time required for elimination of benzopyrene introduced into the

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blood stream is increased; there is an initial retention.
Increase in elimination time depends on rate of bile
formation. In experimental fatty liver there is also
a more prolonged elimination.

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